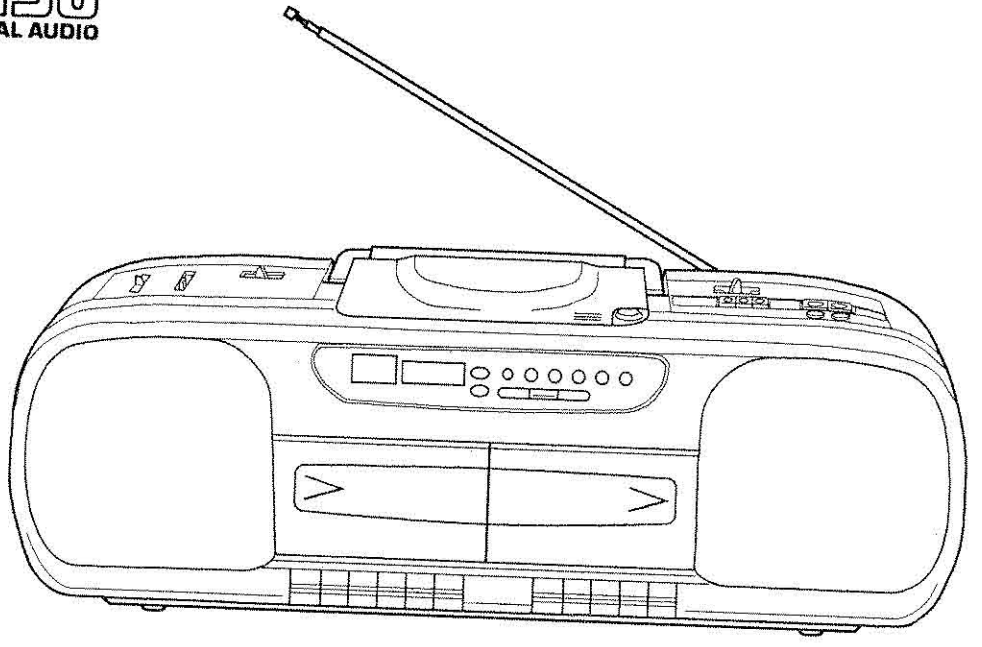
COMPACT DISC FM/MW/LW STEREO RADIO CASSETTE RECORDER
RADIOCASSETTE STEREO FM/MW/LW AVEC LECTEUR DE DISQUE COMPACT

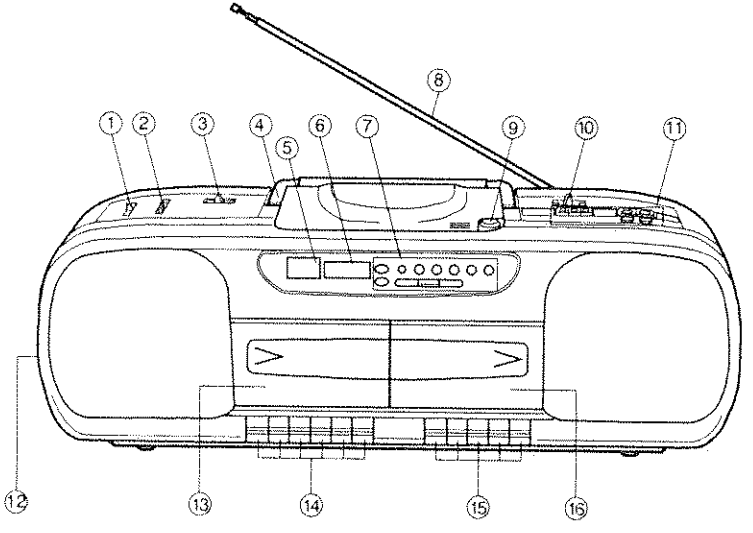
CD-610W

COMPACT disc DIGITAL AUDIO



CASIO®

<Front View>



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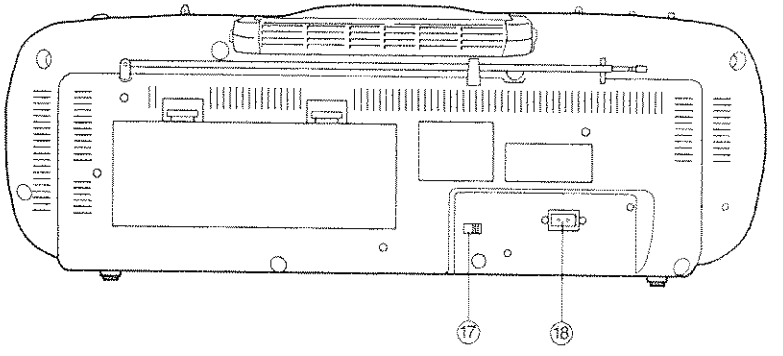

WARNING:
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

English

① BBS Switch
② VOLUME Control
③ FUNCTION Switch
- RADIO
- CD
- TAPE (RADIO/CD OFF)
- HIGH SPEED DUBBING

④ Carrying handle
⑤ DISPLAY (CD)
⑥ DISPLAY (TUNING)
⑦ TUNING Buttons
- MEMORY button
- AUTO button
- PRESET button
- TUNING DOWN button
- TUNING FAST button
- TUNING UP button
- FM Stereo/Mono Switch

⑧ Telescopic FM Antenna
⑨ CD OPEN Button
⑩ BAND Select Switch (FM/MW/LW)
⑪ CD PLAYER Operation Buttons
- INTRO SCAN button
- REPEAT button
- MEMORY button
- SKIP reverse (⏮) or search reverse (◀◀) button
- SKIP forward (⏭) or search forward (▶▶) button
- Play/Pause (▶/⏸) button
- Stop/Clear (■) button

⑫ HEADPHONE Jack
⑬ Tape 1 cassette lid
⑭ Tape 1 operation buttons
- REC (●) button
- Play (▶) button
- Rewind (◀◀) button
- Fast forward (▶▶) button
- Stop/eject (■/⏏) button
- PAUSE (⏸) button

⑮ Tape 2 operation buttons
- Play (▶) button
- Rewind (◀◀) button
- Fast forward (▶▶) button
- Stop/eject (■/⏏) button
- PAUSE (⏸) button

⑯ Tape 2 cassette lid
⑰ BEAT CUT Switch
⑱ AC INPUT Jack

POWER SOURCE

BATTERY POWER OPERATION

Install 6 pieces of SUM-1 ("D" cell, R20P type) batteries.

Precautions

Incorrectly using batteries can cause them to leak or burst, and may damage your unit. Note the following precautions:

- Be sure that the plus (+) and minus (−) poles are facifng in the correct directions.
- Do not mix battery types.
- Do not mix new batteries with old ones.
- Never leave dead batteries in the battery compartment.
- Remove batteries when not using the unit for extended periods.
- Never try to recharge the batteries that are specified for the power supply of this unit.
- Do not expose batteries to direct heat, let them become shorted or try to take them apart. (If a battery leaks, clean out the battery compartment of the unit immediately, taking care to avoid letting the battery fluid come into direct contact with your skin.)

AC HOUSEHOLD CURRENT OPERATION:

TYPE I — AC 230V 50Hz: Connect AC cord into AC jack.

TYPE II — AC 240V 50Hz: Connect AC cord into AC jack.

COMPACT DISC

DISC PLAY

1. Press CD OPEN button and open CD compartment. Insert a disc and close the disc cover.
2. Set FUNCTION switch to CD position.
3. Press PLAY/PAUSE button. TRACK number will appear in the DISPLAY. (The first selection on the disc in TRACK #1, the second selection is TRACK #2, etc.)
4. In a minute, disc play will start from the beginning of the first selection.
5. At the beginning of disc play, adjust VOLUME control to suit your listening preference.
6. At the end of disc play
   - The player will stop automatically and the DISPLAY will indicate 0.
   - Press CD OPEN button to open CD Compartment. Remove the disc, close the compartment door, and set the FUNCTION switch to TAPE position.
7. To terminate disc play before the end of the disc is reached, press STOP/CLEAR button.

PAUSE FUNCTION

You can temporarily stop disc play by pressing PLAY/PAUSE (⏸/▶) button. The PAUSE MARK ⏸ will flash. To resume play, press PLAY/PAUSE (⏸/▶) again.

SKIP/SEARCH FORWARD AND REVERSE BUTTONS

During disc play, you can skip forward or backward to the beginning of any selection on the disc by using SKIP FORWARD or SKIP REVERSE function.

During disc play, you can also SEARCH forward or backward to locate a certain portion of a selection being played.

Skip Forward (▶▶I)
Momentarily press SKIP/SEARCH FORWARD button to instantly move to the beginning of the next selection on the disc. To skip to a selection further down the disc, repeatedly press and release the button until the desired Track number appears in the DISPLAY. When the last selection on the disc is reached, SKIP FORWARD is no longer effective and disc play will start at the beginning of the last selection.

Skip Reverse (I◀◀)
A momentary press SKIP/SEARCH REVERSE button will return the pickup to the beginning of the selection being played. To skip backward to a selection further up the disc, again momentarily press and release the button until the desired track number appears in the DISPLAY.
When the beginning of the 1st selection on the disc is reached, SKIP REVERSE is no longer effective and disc play will start at the beginning of that selection. You can also use SKIP FORWARD and SKIP REVERSE when display is in the PAUSE mode. Upon completion of skip, the player will return to the PAUSE mode.

Search Function
During disc play, press and hold SKIP/SEARCH FORWARD button or SKIP/SEARCH REVERSE button. (High-speed sound will be heard during search.) Release the button when you have reached the desired point of the selection being played.

REPEAT PLAY

1. **To repeat a track**
   Before playing or during play, press REPEAT button until REPEAT 1 indicator lights.
   When the end of the current track is reached, CD-610W plays the track again. It continues to repeat the track until you cancel the repeat mode or press STOP/CLEAR button.
2. **To repeat all track or a programmed sequence (by MEMORY button)**
   Before or during regular or programmed play, press REPEAT button twice until the DISPLAY shows [REPEAT]. When the player reaches the end of the disc or the end of a programmed sequence, it returns to the first track and replays all the tracks in the same order.
   To release single selection repeat, press REPEAT button once.
   The DISPLAY will go out and the repeat will be released.
   To release all selection repeat, press REPEAT button twice.
   The DISPLAY will go out and the repeat will be released.

RANDOM-ACCESS PROGRAMMING (by MEMORY button)

1. Press MEMORY button.
   Press TRACK button [▶▶I] or [I◀◀] button until the DISPLAY shows the number of the track that you wish to program first.
2. Press MEMORY button. The selected track is stored into the first memory position. The track number appears on the DISPLAY.
3. Repeat Step 2 and for each track you want to program, up to the maximum of 20. When you program the 20th selection, the display returns to P-01 and the first track number you programmed.
   If you program the 21th selection, the new track number replaces your first programmed track in memory position P-01.
4. To cancel the programmed MEMORY, press STOP/CLEAR button twice.

- To check the order of the selections chosen for a program:
  Press MEMORY button repeatedly.
  Then the selections that have been programmed will appear in order on the DISPLAY to facilitate checking.

INTRO-PLAYBACK FUNCTION

Set the unit to CD and press INTRO SCAN button. The unit will play the first 10 seconds of each selection in order. Use this function to choose selections for a program.

RADIO LISTENING

RADIO RECEPTION

1. Set FUNCTION SELECTOR to RADIO.
2. Extend the telescopic Rod Antenna for the FM reception.
3. Select the wave band by Band Selector. The display shows FM or MW or LW.
4. In case of FM, set MONO or STEREO.
5. Tune automatically, manually or by means of the PRESET buttons to a radio station. How this is done is described in the following chapters. The display shows the frequency in MHz for FM, or kHz for MW and LW.
6. A disturbing noise, due to a weak transmitter, can be suppressed by selecting, Beat Canceller Switch.
7. The set is switched off when FUNCTION SELECTOR is in other position than RADIO and no cassette deck button is pressed.

AUTOMATIC TUNING

1. Press the AUTO button and release. Frequency on display keeps on changing.
2. Tuning stops when a strong signal has been found.
3. If the signal found is not the desired one, simply repeat this operation.

MANUAL TUNING

Manual tuning is useful when you already know the frequency of the station (eg. from your programme guide)

1. Keep TUNING UP or DOWN pressed. For faster tuning press UP or DOWN while pressing TUNING FAST.
2. As soon as you approach the required frequency, stop tuning by releasing TUNING button.
3. Then press briefly each time UP or DOWN. In this way the frequency is changed step-by-step until finally the right frequency has been reached. One step is 0.05 MHz on FM and 9 kHz on MW and 1 kHz on LW.

PRESET TUNING

The PRESET buttons allow you to store the frequencies of up to 10 FM and MW stations 5 LW stations.

● Storing station frequency

1. Select the wave band by BAND Selector.
2. Using AUTO button or TUNING UP/DOWN, tune either automatically or manually to the frequency to be stored.
3. To store the frequency shown, press MEMORY: the word MEMORY lights for 5 seconds.
4. Within 5 seconds, select the desired memory location using PRESET buttons (1-5). The frequency is now stored in the memory. A stored frequency is only erased from the memory by storing another frequency in its place.

● Receiving the preset stations.

1. Set FUNCTION SELECTOR to RADIO.
2. Select the wave band by BAND SELECTOR.
3. Then press the desired PRESET button. The chosen PRESET location number appears on the display.

Note:
To turn off the radio, set FUNCTION switch to TAPE (Radio-off) position.

CASSETTE TAPE

PLAYBACK

Use <Tape 1> or <Tape 2> for tape playback. Press STOP/EJECT button to open cassette compartment and insert a cassette.

1. Set FUNCTION switch to TAPE.
2. Press PLAY button and the tape will start running.
3. Adjust VOLUME control.
4. Press FAST FORWARD button to forward the cassette rapidly.
5. Press REWIND button to rewind the tape.
6. Press PAUSE button to stop cassette movement temporarily during playback.
7. Press STOP/EJECT button to release the playhack, fast forward or rewind operation.
8. Press STOP/EJECT button again to eject the tape.

AUTOMATIC STOP

When operating in PLAY or RECORD modes and the end of the tape is reached, your unit will automatically shut itself off and return the buttons to their off position.

CONTINUOUS PLAYBACK

Continuous Playback from <Tape 2> to <Tape 1> is possible.

1. Insert cassette tapes into <Tape 2> and <Tape 1> and set FUNCTION switch to TAPE.
2. Press PLAY button of <Tape 2>.
3. Press PAUSE button of <Tape 1>.
4. Press PLAY button of <Tape 1>.
5. When the tape in <Tape 2> comes to an end, <Tape 2> stops itself and <Tape 1> starts playing back automatically.
6. When the tape in <Tape 1> comes to an end, <Tape 1> stops itself.

DUBBING/TAPE TO TAPE (SYNCHRO DUBBING)

1. Set FUNCTION switch to HIGH SPEED DUBBING or TAPE (for normal speed dubbing), according to the desired dubbing speed.
2. Insert a recorded cassette into <Tape 2> and a blank cassette into <Tape 1>.
3. Press PAUSE button of <Tape 1>.
4. Press RECORD button of <Tape 1>.
5. Press PLAY button of <Tape 2>. This will also start the recording operation on <Tape 1>.

DUBBING/COMPACT DISC TO TAPE (SYNCHRO DUBBING)

1. Insert a compact disc in the disc compartment.
2. Insert a blank tape in <Tape 1>.
3. Set FUNCTION Switch to CD.
4. Select the track you want to record and set compact disc playback to pause by pressing the PLAY/PAUSE button twice.
   ● You can use the CD play MEMORY function to program the tracks to be recorded in the order you desire.
5. Press RECORD button of the <Tape 1>. CD play starts automatically, approximately three seconds after recording begins on <Tape 1>.

RECORDING RADIO PROGRAMS (USING <Tape 1>)

From the built in radio:

Operate the unit as described under "RADIO". Press RECORD button until both RECORD and PLAY buttons are locked in depressed position (One-Touch Recording). Recording sound can be monitored through the speakers (Variable Monitor).

Set BEAT CUT switch to 1 or 2, when hum or an interfering whistle is offensive to ears during recording from Radio on MW or LW.

Note: The Built-In ALC (Automatic Level Control) will automatically set the record level for optimum recordings. You can monitor (listen to) the radio and adjust VOLUME control to suit your listening preference without affecting the recording.

BBS SWITCH

Switch BBS on to increase the boosted bass level when listening to a CD/TAPE/RADIO sound.

IMPORTANT: This product is capable of substantial uses that do not constitute infringement under the Copyright Laws. It is sold only for such uses, and it should not be used to infringe the copyrights of others.

HEADPHONE JACK

HEADPHONE jack is featured for private listening. Plug headphones (optional) into the jack.

ERASE PROTECTION

To prevent accidental erasure, remove plastic tabs. Simply place cellophane or masking tape over tab holds when desiring to erase or rerecord the tape.

CLEANING HEADS

If surfaces of Record/Play and Erase heads are dirty, imperfect erasing, low sound or poor sound quality could result. Clean heads with a cleaning pen or wad of cotton-wool moistened in alcohol.

CLEANING CD PLAYER LENS

When the CD player lens becomes dirty, CD programs may skip or sound abnormal.

To clean the lens, open the disc player and remove dust and dirt with a commercially-available blower. Be careful not to scratch or otherwise damage the lens, and never touch it directly.

SPECIFICATIONS

CASSETTE

Tape System ..... Stereo, Four Track
(For use with normal bias tape only)
Tape Speed 4.75cm/second
Wow and Flutter ..... 0.2% (WTD)
S/N Ratio 40dB
Speakers
Round ..... 100mm × 2
Maximum output power ...3 Watts/channel
Power Requirements
AC Type I 230V 50Hz
Type II 240V 50Hz
DC ..... SUM-1 ("D" cell, R20P type) batteries × 6
Frequency Response ..... 125Hz–10kHz (Playback)
Antenna
MW/LW ..... Built-in Ferrite Bar
FM ..... Telescoping
Dimensions 569.5(W)×191(H)×195.5(D)mm
Weight ..... 4.0Kg without batteries

CD PLAYER

Type ..... Compact Disc player with optical pickup
No. of Channels ..... 2 (stereo)
Frequency Response .. 20Hz–20kHz±3dB
Dynamic Range 85dB
Total Harmonic distortion ... 0.07% (1kHz)
Channel Separation 74dB (1kHz)
S/N Ratio 90dB
Wow and Flutter ..... Unmeasurable

WORDING FOR CLASS II EQUIPMENT INSTRUCTION BOOKS

The mains lead on this equipment is supplied with a moulded plug incorporating a fuse, the value of which is indicated on the pin face of the plug. Should the fuse need to be replaced, an ASTA or BSI approved BS 1362 fuse must be used of the same rating. If the fuse cover is detachable never use the plug with the dover omitted. If a replacement fuse cover is required, ensure it is of the same colour as that visible on the pin face of the plug. Fuse covers are available from your dealer.

DO NOT cut off the mains plug from this equipment. If the plug fitted is not suitable for the power points in your home or the cable is too short to reach a power point, then obtain an appropriate safety approved extension lead or consult your dealer.

If there is no alternative to cutting off the mains plug, ensure that you dispose of it immediately, having first removed the fuse, to avoid a possible shock hazard by inadvertent connection to the mains supply.

IMPORTANT

The wires in the mains lead are coloured in accordance with the following code:

Blue = Neutral, Brown = Live

As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:

The wire coloured BLUE must be connected to the terminal marked with the letter N or coloured BLUE or BLACK.

The wire coloured BROWN must be connected to the terminal marked with the letter L or coloured BROWN or RED.

On no account connect either of these wires to the terminal marked E or by the earth symbol ⏚, or coloured green or green and yellow.

Alternatively, this equipment may be supplied with a rewireable plug already fitted, which may be removed if not suitable and an alternative fitted in accordance with the preceding instructions.